

YOIT/ ★ P64 47872 K/20 ★ J58059-803  
Moulded inorganic prods. mfr. - by forming plasticised compsn.  
from water, hydraulic cement and clay and extruding into  
required shape

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Plasticised compsn. is prep'd. by adding water into a mixt. of  
hydraulic cement (30-90 pts. wt.) and layer clay mineral (70-10 pts.  
wt.) in a sufficient amt. required for plasticising the mixt. or  
dewatering an aq. slurry of the mixt. for plasticising the mixt.  
and extruded to form a shaped prod. The extrusion of plasticised  
cement/clay mixt. facilitates the operation through an extruder  
to extrude a prod. having high extrusion resistance under  
relatively lower pressure.

Pref. hydraulic cement is white Portland cement, alumina  
cement, ordinary Portland cement, rapid hardening or moderate  
heat cement, jet cement, thermosetting cement, blast furnace  
cement, fly ash cement, silica cement, expansive cement and  
opt. blended with an expansive agent (e.g. ettringite-forming  
compsn. or  $\text{Ca}(\text{OH})_2$ -forming agent) for compensating the  
contraction of cement. The clay or clay material is typically  
kaolin or plastic clay. The mixt. is opt. blended with silica stone  
for forming tobermorite or xonotolite by steam ageing or  
reinforcing material (e.g. asbestos, rock wool, glass fibre, Nylon  
fibre, carbon filament or steel filament) or other additives (e.g.  
limestone, blast furnace slag, Ca silicate,  $\text{Al}(\text{OH})_3$ ,  $\text{Al}_2\text{O}_3$  or  
 $\text{ZrO}_2$ ). (3pp)

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